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--5. (Amended) Installation according to Claim 2, characterized in that the discharge chamber (13) forms part of a water-nitrogen tower (1) placed alongside the stack (2), and the internal spaces in the chamber (13) and in the stack (2) are separated by a partition (3) having, as means for connecting the internal spaces, an outlet (15) for discharging, into the stack, the wet nitrogen contained in the chamber.--

[Amend claim 6 as follows:]

--6. (Amended) Installation according to claim 1, characterized in that the stack (2) is equipped internally with a set of nozzles (25) through which some or all of the gas introduced into the base of the stack flows.--

[Amend claim 7 as follows:]

--7. (Amended) Installation according to claim 1, characterized in that the connecting means (15) comprise a discharge outlet provided in a partition (3) separating the internal spaces in the chamber (13) and in the stack (2), and the stack is equipped internally with a set of nozzles (25) arranged in such a way that the top of it is at a level below the top of the discharge outlet (15).--

[Amend claim 8 as follows:]

--8. (Amended) Installation according to claim 1, characterized in that the discharge chamber (13) belongs

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to a water-nitrogen tower (1) having, near its base, a dry nitrogen feed pipe (11) and, in its upper part, a pipe (12) for feeding the hot water to be cooled, above the level of which a wet nitrogen discharge outlet (15), opening into the stack (2), is provided.--

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[Amend claim 9 as follows:]

--9. (Amended) Installation according to claim 1, characterized in that the stack (2) includes, near its base, an air feed pipe (21) and/or a nitrogen feed pipe (22) and/or an oxygen feed pipe (23) and/or a pipe for feeding another gas coming from the distillation.--

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